



LKT Laboratories, Inc.

Rifamycin SV Monosodium

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID R3222

CAS No. 14897-39-3

Chemical Name

Synonym Rifamycin SV sodium salt, Rifamastene, Rifocin

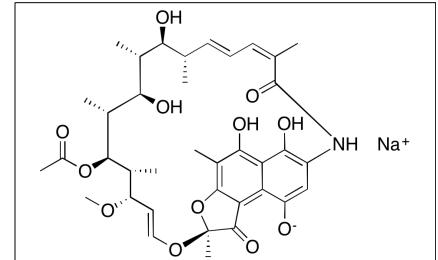
Formula $C_{37}H_{47}NO_{12} \cdot xNa$

Formula Wt. 719.75

Melting Point

Purity $\geq 98\%$

Solubility Soluble in water (pH7.2).



Bulk quantities available upon request

Product ID	Size
R3222	1 g
R3222	5 g

Store Temp Ambient

Ship Temp Ambient

Description Rifamycin is an ansamycin antibiotic that exhibits antibacterial and anti-inflammatory activities. Rifamycin inhibits bacterial DNA-dependent RNA polymerase, preventing formation of the initiation complex in transcription and suppressing RNA synthesis. Rifamycin displays efficacy against *Mycobacterium*, *Clostridium*, and *Enterobacter*. This compound also decreases LPS-stimulated cytokine synthesis in macrophages and cytokine secretion from CD4+ T cells in cellular models.

References Rosette C, Buendia-Laysa F Jr, Patkar S, et al. Anti-inflammatory and immunomodulatory activities of rifamycin SV. *Int J Antimicrob Agents*. 2013 Aug;42(2):182-6. PMID: 23756321.

Farrell DJ, Putnam SD, Biedenbach DJ, et al. In vitro activity and single-step mutational analysis of rifamycin SV tested against enteropathogens associated with traveler's diarrhea and *Clostridium difficile*. *Antimicrob Agents Chemother*. 2011 Mar;55(3):992-6. PMID: 21149623.

Campbell EA, Korzheva N, Mustaev A, et al. Structural mechanism for rifampicin inhibition of bacterial rna polymerase. *Cell*. 2001 Mar 23;104(6):901-12. PMID: 11290327.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.